

NEW MEXICO OIL CONSERVATION COMMISSION

GAS WELL TEST DATA SHEET — SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE & ALL DAKOTA EXCEPT
BARKER DOME STORAGE AREA)Initial
Deliverability Test

72581 Pool BLANCO Lease SAN JUAN 32 8 22 No. 31
 Formation MV Unit L S 22 T 32 R 08 Pay Zone 6094 to 6226 Cty. SJ
 Casing - OD 5500 Wt. 1550 Set at 6392 Tubing - OD 2000 Wt. 0470 L 6192 (T. Perf.)
 Operator EL PASO NATURAL GAS CO. Purchasing Pipeline EL PASO NATURAL GAS CO.

OBSERVED DATA

Period of Test Flow
 From 051560 To 052260 S.I.P. Measured 111769 Prod. String O.D. 2.000
111759
 Deadweight Flowing Pressure, psia
 Casing _____ (a) Tubing _____ (b) Meter _____ (c) Wt. 4.70
 Flowing Pressure, psia
 Chart _____ (d) Tubing 1074 (k) Casing 1073 (j) Length 6192
 Deadweight Shut-in Pressure, psia

Meter Error

0 (e)

Friction Loss

0 (f)

7 Day Avg. Flowing Pres., psia

Chart 673 (g) Corrected 673 (h)

FRICTION CALCULATION

Grav. .585 $P_t =$ 673 (i) $GL =$ 3622 $(1-e^{-x}) =$.232

$(F_c Q)^2 =$ 14070 $(1-e^{-x}) (F_c Q)^2 = R^2 =$ 3264 $P_t^2 =$ 452929 $P_w^2 =$ 456193

FLOW RATE CALCULATION

$Q =$ 399 (integrated) $\times \sqrt{\frac{(c)}{(d)}} = \frac{1.0000}{1.0000} = \frac{1.0000}{1.0000} =$ 399

DELIVERABILITY CALCULATION

$D = Q$ 399 $\times \left(\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right)^N = \frac{1.2406}{1.1755} =$ 469

SUMMARY

 $P_c =$ 1074D at 250 or 500 478Company EL PASO NATURAL GAS CO. $Q =$ 399

Note:

By H. L. KENDRICK $P_w =$ 673

250# for P.C.

Title GAS ENGINEER

500# for M.V.

 $P_d =$ 537

Witnessed By _____

 $D =$ 469478

Company _____



